

Whitehall

**Ammanford Urban
District Council.**

35th Annual

Report

of the

**Medical Officer of
Health**

For 1936.



ARCHIBALD HARPER,
Medical Officer of Health.

"Amman Valley Chronicle," Ammanford.

Ammanford Urban District Council.

AMMANFORD,

SEPTEMBER, 1937.

To the Chairman and Members of the Health Committee.

MR. CHAIRMAN AND GENTLEMEN.

I have the honour to submit to you the Annual Report for the Year ending December 31st, 1936, being the 34th Annual Report submitted to your Council

Silicosis—As you are aware, this disease appears to be part and parcel of the Anthracite miners' life, and is probably as well marked in the only Colliery in your Area as in any part of the South Wales Coalfield. During the past year, much has been written and much research work has been carried out concerning the cause or causes of this disease. One theory put forward was that the disease was due to a germ, but since this elusive little bug has not so far been isolated, one probably is not far wrong if one is allowed to have a doubt on that existence of the alleged bug. At Dortmund, Germany, the dust-filtering efficiency of the human nose and its significance in the causation of Silicosis has shown that where there is a low nasal filtration, there is a far greater susceptibility in miners with poor nasal filtration than in miners with good filtration.

At a recent Court Case, when the men refused to go underground because of the excessive dust—either present or alleged to be present underground—the decision of the Magistrates would appear to be of some importance, since they found "there was a certain quantity of Silica dust in the atmosphere, but such quantity was not sufficient to constitute a danger to the workmen." We have, therefore, a legal unknown quantity of Silica dust that is non-harmful, and another unknown quantity which is harmful.

Fortunately, the decision of the Magistrates was not unanimous, but by a majority.

In your Area last year, for Ammanford Colliery (the only one in the Urban Area), where some 450 men are employed, these were:—

| No. of Certificates granted: | | No. of Certificates refused: | |
|------------------------------|----------|------------------------------|----------|
| Deaths | Disabled | Deaths | Disabled |
| 1 | 7 | 1 | 1 |

These figures are very high, and we cannot agree that Silicosis is other than a very terrible disease for men working underground.

Regarding the case of death where Certificates were refused, we know that this man died as a result of the inhalation of dust and that Silicosis was admitted to be a contributory cause of death.

Why death accelerated by Silicosis does not allow a claim for Compensation to be made on behalf of Dependents, one is at a loss to understand.

TUBERCULOSIS.

| Age Periods. | New Cases. | | | | Deaths. | | | |
|-----------------|------------|-------|---------------|----|------------|----|----------------|----|
| | Pulmonary. | | Non-Pulmonary | | Pulmonary. | | Non-Pulmonary. | |
| | M. | F. | M. | F. | M. | F. | M. | F. |
| | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 16-46 | 11-39 | | | | | | |

HOSPITAL PROVISION.

1. *For Infectious Fevers.*—As previously stated, this is under the care of the County Council.

2 *For Tuberculosis.*—This disease comes under the care of the Welsh National Memorial (See previous page).

3. *Accidents.*—General Hospital, Swansea, and Cottage Hospital, Glanamman. There are two Ambulances in the District.

4. *Maternity* .—Two beds and two cots are available at the Poor Law Institution, Llandilo.

5. *Children.*—*Accommodation* is available for 22 boys and girls, and for 8 children at the Poor Law Institution, Llandilo.

6. *Orthopædic.*—*Treatment* is provided by the County Council

7. *Unmarried Mothers, Illegitimate Infants, and Homeless Children.*—Accommodation is provided at the Poor Law Institution, Llandilo.

8. *Clinics and Maternity Centres.*—This is held once every two weeks at the Church Room, Wind Street, on Tuesdays, from 4 to 6 p.m. Dr. D'Alton, assisted by Nurse Matthews, are in attendance. The Centre is under the supervision of the County Council.

9. *School Clinics.*—*Eye Clinics* are held under the Education Committee once per month at the Workmen's Hall, Wind Street.

10.—*Venereal Diseases* —Free treatment is provided at the General Hospital, Swansea.

11. *Public Health.*—Staff: Dr. Harper (part time); and part time Sanitary Inspector, Mr. F. W. Child.

12. *Home Nursing.*—*There* is a local Nursing Association, employing several Queen's Nurses.

13. *Midwives.*—All the Midwives practising in the Area are State Registered.

14 *Maternity and Nursing Homes.*—Nil.

15. *Maternity Mortality.*—These cases are investigated by the County Medical Officer.

The Welsh National Memorial has established a Dispensary 34a, Quay Street. Dr. Martin Thomas attends every Tuesday at 10-30 a.m.

Nurse Thomas is also in attendance, and patients are visited in their homes. The following accommodation is also provided for Institution treatment:—

| Institutions. | No. of Beds | Cases Treated. |
|--|-------------|---|
| The South Wales Sanatorium, Talgarth | 298 | Pulmonary Male Patients. |
| The North Wales Sanatorium, Llangwyfan | 237 | Pulmonary Female Patients Surgical Tuberculosis in Men, Women and Children. |
| The West Wales Sanatorium, Llanybyther | 48 | Pulmonary Female Patients |
| The Pentresgyn Open Air Home, Menai Bridge | 16 | Pulmonary Female and Children Patients. |
| Hospitals. | | |
| Glan-Ely Hospital, near Cardiff ... | 183 | Men, Women, and Children Pulmonary and Surgical Cases. |
| Cefn Mably Hospital, near Cardiff | 110 | |
| Pontsarn Hospital, Merthyr Tydfil | 38 | |
| Cymla Hospital, Neath ... | 46 | |
| Tregaron Hospital, Tregaron ... | 32 | |
| Meadowslea Hospital, Penyffordd... | 58 | |
| Brynseiont Hospital, Carnarvon ... | 38 | |
| Llangefni Hospital, Llangefni ... | 22 | |
| Adelina Patti Hospital, Craigynos... | 104 | |
| Sealyham Hospital, Wolf's Castle ... | 30 | |
| Machynlleth Hospital, Machynlleth | 30 | |
| Kensington Hospital, St. Brides ... | 100 | Surgical Cases in Children. |
| Total Number of Beds in Association's own Institutions ... | 1390 | |

Statistics and Social Conditions of the Area.

| | | | | |
|----------------------------|-----|-----|-----|-----------|
| Area of District | ... | ... | ... | 944 Acres |
| Population | ... | ... | ... | 7,117. |
| Number of Inhabited Houses | ... | ... | ... | 1,772. |
| Rateable Value | ... | ... | ... | £26,015. |
| Net Produce of Penny Rate | ... | ... | ... | £108. |

Vital Statistics.

| | | | M. | | F. | | Total |
|--|-----|-----|-----|-----|-----|-----|-------|
| Live Births—Legitimate | ... | ... | 47 | ... | 42 | ... | 89 |
| Illegitimate | ... | ... | 0 | ... | 1 | ... | 1 |
| Birth Rate per 1000 of the estimated Resident Population | ... | ... | ... | ... | ... | ... | 12.6 |

| | | | M. | | F. | | Total |
|--|-----|-----|-----|-----|-----|-----|---------------------|
| Still Births—Legitimate | ... | ... | 1 | ... | 3 | ... | 4 |
| Rate per 1,000 Total (Live and Still Births) | ... | ... | ... | ... | ... | ... | 5.6 42.5 |

| | | | M. | | F. | | Total |
|---|-----|-----|-----|-----|-----|-----|----------------------|
| Deaths | ... | ... | 44 | ... | 48 | ... | 92 |
| Death Rate per 1,000 of the estimated Resident Population | ... | ... | ... | ... | ... | ... | 12.7 12.9 |

MATERNAL MORTALITY.

| | | | Deaths | | Rate per 1,000 Total (Live and Still Births) |
|---------|------------------------|-----|--------|-----|---|
| No. 29. | Puerperal Sepsis | ... | 0 | ... | Nil. |
| No. 30. | Other Puerperal Sepsis | ... | 0 | ... | Nil. |
| Total | ... | ... | Nil | ... | Nil. |

Death Rate of Infants under one year of age—

| | | | |
|---|-----|-----|------|
| All Infants per 1,000 Live Births | ... | ... | 88.8 |
| Legitimate Infants per 1,000 Legitimate Live Births | ... | ... | 89.8 |
| Illegitimate Infants per 1,000 Illegitimate Live Births | ... | ... | Nil |
| Deaths from Cancer (all ages) | ... | ... | 14 |
| Deaths from Measles (all ages) | ... | ... | Nil |
| Deaths from Whooping Cough (all ages) | ... | ... | Nil |
| Deaths from Diarrhoea (under two years of age) | ... | ... | Nil |

NOTIFIABLE DISEASES

(other than Tuberculosis) during 1936.

| Disease. | | | Total Cases notified. | Cases admitted to Hospital. | Total Deaths. |
|--------------------------------------|-----|-----|-----------------------|-----------------------------|---------------|
| Small Pox | ... | ... | Nil | Nil | Nil |
| Scarlet Fever | ... | .. | 7 | Nil | Nil |
| Diphtheria | ... | ... | Nil | Nil | Nil |
| Enteric Fever | ... | ... | 1 | Nil | Nil |
| Puerperal Fever | ... | ... | Nil | Nil | Nil |
| Puerperal Pyrexia | ... | ... | Nil | Nil | Nil |
| Pneumonia | ... | ... | 7 | Nil | 3 |
| Other Diseases generally notifiable: | | | | | |
| Erysipelas | ... | ... | 6 | Nil | Nil |

TUBERCULOSIS.

There were no deaths from Pulmonary or Non-Pulmonary Tuberculosis during the year.

Sanitary Circumstances of the Area.

Water Supply.—The supply of Water for the district was again plentiful throughout the year. As mentioned in last year's Report, *re* the Installation of Filters and Chlorination Plant, these have now been erected, and work in a most satisfactory manner.

Owing to a loss of head taking place at the Filters, it has been necessary to fix an Hydrostat on Ammanford Square, so that the higher regions in the district might have a constant and uninterrupted supply. This was, at the commencement, not up to expectations, but is now working most efficiently.

The recorded quantity of Water used was 119,846,664 gallons, which approximates 41 gallons per head per day.

Drainage and Sewerage.—The Sewers have again this year functioned without any trouble. The automatic Flushing Tanks are brought into operation twice weekly throughout the summer months. The system is by gravitation to the Filter Beds, and is controlled by the Amman Valley Sewerage Board.

Thirty-one Houses remain to be connected to the Sewers.

Rivers, Etc., Pollution.—No action was taken by the Local Authority on this matter. Consideration was given to the matter, and the County Council were approached regarding the formation of a Catchment Board.

Closet Accommodation:—

| | |
|---|-------|
| No. of Houses with Closets on water-carriage system | 1,693 |
| No. of Houses with Closets on the water carriage system connected to Cesspits remaining to be connected to the Sewers | 3 |
| No. of Houses with Closets built on conservancy system not able to connect to Sewers | 8 |
| No. of Houses remaining to be connected to Sewers | 31 |

Progress has been maintained in the conversion of Closets and drainage connections to the Public Sewers. Of the 31 not connected, this is chiefly due to lack of financial means.

Public Cleansing—Dry Refuse.—The Council undertake the removal of all dry House Refuse. The collections are made thrice weekly from the centre of the Town, and twice weekly from the outlying parts. Although reported to you in my previous reports as to the very insanitary receptacles in use by most of the Householders, nothing has been done in the matter. These can be enforced on all Householders in the District under Section 36 of the Public Health Act, 1875.

The Refuse, when collected, is dumped on the Myddinfych Farm outside the Urban Area. Trade Refuse from Fishmongers' and Fruiterers' is also disposed of at this Farm.

Dry Refuse Removal (Statistics):—

| | | | | |
|--------------------------|-----|-----|-----|-------------|
| No. of Loads cleared | ... | ... | ... | 3,133 |
| Average weight | ... | ... | ... | 4,597 tons |
| Mileage run | ... | ... | ... | 6,927 miles |
| Costs—Labour (Wages) | ... | ... | ... | £438 5 6 |
| Oil, Petrol, and Repairs | ... | ... | ... | £85 7 2 |

Allowing for Depreciation, Licence, etc., this works out to 3/4 per load

Privies, Cesspits, Etc.—Contents of the remaining Pail Closets are buried by householders in their gardens, and the Cesspits are built on the soakaway principle. No clearance is needed, the subsoil being of a porous nature.

Sanitary Inspection of the Area:—

| | | | | |
|---------------------------------------|-----|-----|-----|-----|
| No. of Inspections made for Nuisances | ... | ... | ... | 319 |
| No. of Informal Notices served | ... | ... | ... | 41 |
| No. of Statutory Notices served | ... | ... | ... | 3 |
| No. of Water Leakage Inspections | ... | ... | ... | 152 |
| No. of Water Leakage Notices served | ... | ... | ... | 137 |
| The Statutory Notices were:— | | | | |
| To remove obstructions in Drains | ... | ... | ... | 2 |
| The removal of Refuse | ... | ... | ... | 2 |
| To replace broken Inspection Covers | ... | ... | ... | 2 |
| To repair Chimney | ... | ... | ... | 1 |

The whole of the Statutory Notices were complied with.

Smoke Abatement.—No action was necessary.

Special Classes of Premises and Occupation Subject to Control by the Local Authority:—

| | | | |
|--------------------------------------|-----|-----|-----|
| Common Lodging Houses registered for | ... | ... | 1 |
| No. of Lodgers registered for | .. | ... | 100 |
| No. of Inspections | ... | ... | 17 |

The House is registered for Male Lodgers only. Average number of Lodgers is 16. Bedclothes and beds are reasonably clean, floors brushed daily and washed weekly. As regard drainage and water supply, these are also satisfactory.

There are no Registered Houses let in Lodging in the Area.

Van Dwellings.—Although proceedings have been taken more than a year ago, and an Order made against Van Dwellers on the site known as the Old Chemical Works, Pontamman, and one on a plot of land near the Arcade, these areas are still occupied by such Vans and constitute a nuisance, having no water supply, drainage nor closet accommodation.

Underground Sleeping Rooms.—There are no Underground Sleeping Rooms in the Area.

Rag Flock Acts, 1911-1928.—Rag Flock is used in three Workshops in the Area, and is purchased under a Warranty that it complies with the standard of cleanliness.

No sample was taken throughout the year.

Schools.—All Schools have an ample supply of water, and are provided with modern sanitary accommodation with drainage connected to the Sewers.

Factories and Workshops:—

| | | | |
|--|-----|-----|----|
| No. of Factories and Workshops on Register | ... | ... | 62 |
| No. of Inspections made | ... | ... | 28 |

The nature of the work carried on at such Factories and Workshops are:—

| | | | | | |
|--|-----|-----|-----|-----|----|
| Boot Repairing | ... | ... | ... | ... | 12 |
| Brick Burning | ... | .. | ... | ... | 1 |
| Cabinet Making, Upholstery and Undertaking | ... | ... | ... | ... | 6 |
| Clogging | ... | ... | ... | ... | 2 |
| Corn Grinding | ... | ... | ... | ... | 1 |
| Cooked Foods | ... | ... | ... | ... | 3 |
| Cycle Repairs | ... | ... | ... | ... | 3 |
| Dressmaking | ... | ... | ... | ... | 7 |
| Foundry | ... | ... | ... | ... | 1 |
| Joinery | ... | ... | ... | ... | 1 |
| Millinery | ... | ... | ... | ... | 3 |
| Motor Repairs | ... | ... | ... | ... | 2 |
| Monumental Masonry | ... | ... | ... | ... | 2 |
| Printing | ... | ... | ... | ... | 2 |
| Saddlery | ... | ... | ... | ... | 1 |
| Smith's Work | ... | ... | ... | ... | 2 |
| Stocking Making | ... | ... | ... | ... | 2 |
| Tailoring | ... | ... | ... | ... | 6 |
| Tin and Black Plates | ... | ... | ... | ... | 1 |
| Watch and Clock Repairs | ... | ... | ... | ... | 2 |

Outworkers.—There are no Outworkers in the District.

Housing:—

No. of New Houses erected during the year:—

| | | | | | |
|------------------------|-----|-----|-----|-----|-----|
| By the Local Authority | ... | ... | ... | ... | Nil |
| By Private Enterprise | ... | ... | ... | ... | 19 |

Inspection of Dwelling Houses during the year:—

- 1.—(a) Total number of Dwelling Houses inspected for Housing Defects under Public Health or Housing Acts ... 33
- (b) Number of Inspections made for the purpose ... 33
- 2.—(a) No. of Dwelling Houses (included under Sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 ... Nil
- Number of Inspections made for the purpose ... Nil
- 3.—Number of Dwelling Houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... Nil
- 4.—Number of Dwelling Houses (exclusive of those referred to under the preceding Sub-head) found not to be in all respects reasonably fit for human habitation... Nil

*Remedy of Defects during the year without Service of Formal**Notices:—*

- 2.—Number of defective Dwelling Houses rendered fit in consequence of informal action by the Local Authority or their Officers ... 4

ACTION UNDER STATUTORY POWERS DURING THE YEAR.

(a) Proceedings under Sections 17, 18 and 23 of the Housing Act, 1930:—

- (1) Number of Dwelling Houses in respect of which Notices were served requiring Repairs ... 1
- (2) Number of Dwelling Houses in which defects were remedied after service of Formal Notices:
 - (a) By Owners ... 1
 - (b) By Local Authority in default of Owners ... Nil

(b) Proceedings under Public Health Act:—

- (1) Number of Dwelling Houses in respect of which Notices were served requiring Repairs ... Nil
- (2) Number of Dwelling Houses which were rendered fit after service of Formal Notices:
 - (a) By Owners ... Nil
 - (b) By Local Authority in default of Owner ... Nil

(c) Proceedings under Sections 19 and 21 of the Housing Act, 1930:—

- (1) Number of Dwelling Houses in respect of which demolition orders were made ... 3
- (2) Number of Dwelling Houses demolished in pursuance of demolition orders ... Nil

- (d) *Proceedings under Section 20 of the Housing Act, 1935*—
- | | | |
|---|-----|-----|
| (1) Number of separate Tenements or Underground Rooms in respect of which Closing Orders were made | ... | Nil |
| (2) Number of separate Tenements or Underground Rooms in respect of which Closing Orders were determined, the Tenement or Room having been rendered fit | ... | Nil |
- 4.—*Housing Act, 1935—Overcrowding*:—
- | | | |
|---|-----|-----|
| (a)—(1) Number of Dwelling Houses Overcrowded at the end of the Year | ... | 30 |
| (2) Number of Families dwelling therein | ... | 46 |
| (3) Number of Persons dwelling therein | ... | 197 |
| (b) Number of new cases of Overcrowding reported during the Year | ... | Nil |
| (c)—(1) Number of cases of Overcrowding relieved during the Year | ... | 1 |
| (2) Number of Persons concerned in such case | ... | 4 |
| (d) Particulars of any cases in which Dwelling Houses have again become Overcrowded after the Local Authority have taken steps for the abatement of Overcrowding... | ... | Nil |
| (e) Any other particulars with respect to Overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report | ... | Nil |

INSPECTION AND SUPERVISION OF FOOD MILK SUPPLY

| | | |
|---|-----|----|
| No. of Purveyors of Milk on Register | ... | 38 |
| No. of Cowsheds in the Urban Area | ... | 17 |
| No. of Milkshops | ... | 5 |
| No. of Inspections made | ... | 24 |
| No. of Producers from outside who retail Milk in the Urban Area | ... | 15 |

No Sample of Milk was taken during the year.

No Milk to which the Milk Designation Order, 1936, is produced or sold in the District.

MEAT AND OTHER FOODS.

| | | |
|------------------------------------|-----|---|
| No. of Slaughterhouses in the Area | ... | 3 |
|------------------------------------|-----|---|

One Notice was served to remove Manure.

Two of the Butchers' Shops sell Chilled Meat only; three of the Butchers purchase all their Meat from outside the Urban Area.

MEAT REGULATIONS, 1924.

The directions set forth in Part 2 of the above Regulations are complied with

Part 3.—No Meat Marking is done.

Part 4—There are no Stalls from which Meat is sold.

SLAUGHTER OF ANIMALS ACT, 1933.

| | | |
|--|-----|----|
| No. of Licensed Slaughtermen in the Area | ... | 10 |
|--|-----|----|

Bakehouses—

| | | |
|-------------------------------|-----|---|
| No. of Bakehouses on Register | ... | 6 |
|-------------------------------|-----|---|

| | | |
|-------------------------|-----|---|
| No. of Inspections made | ... | 4 |
|-------------------------|-----|---|

No Notices were required to be served.

There are no Underground Bakehouses in the Area.

Aliteration—The County Council are the Food and Drug Authority for the Area. No action was taken by the Local Authority under the Sale of Food and Drugs Act.

Chemical and Bacteriological Examination of Food.—University College of Wales, Aberystwyth; Bacterial Content and Tubercle Bacilli examination of Milk.

Nutrition.—Dissemination of knowledge—particulars of any special work, Nil.

INFECTIOUS DISEASES.

No. of Houses Disinfected after Infectious Diseases ... 14

Free Disinfectants are supplied by the Council, and the Rooms are Fumigated with Formalin Vapour after the period of isolation is ended, or immediately after the patient has been removed to Hospital.

There are no facilities in the Area for the cleansing of verminous persons and their goods.

RAT WEEK.

Notices calling the attention of the Public to the National Rat Week are distributed throughout the Area, and Slides are shewn in the local Cinematograph Halls.

Two Rat-catchers were employed throughout the month of November. Herewith is a concise report of the Ratting which was carried out. The first three and a half days were taken in laying poisonous baits in the Sewers. From there on until the end of the month, the chief methods used for extermination of Rats were Ferrets, Gassing and Poisonous Baits.

| | Rats Killed. |
|---|--------------|
| Thursday, Nov. 5.—In afternoon—Ebenezer Cemetery Hedge ... | 19 |
| Friday, Nov. 6.—Edwards, Butcher, Wind Street | 20 |
| Saturday Nov. 7.—J. Jones, Butcher's Sheds | 15 |
| Monday, Nov. 9.—Around Edwards, Butcher's, premises ... | 28 |
| Tuesday, Nov. 10.—Back of Coopers', down to Old Rubbish Tip, and up with brook to Pantybettws | 33 |
| Wednesday, Nov. 11.—Owens, Baker, and Hayrick of Edwards, Butcher | 15 |
| Thursday, Nov. 12.—Pontamman Mill, along Brook by Colliery Siding. From Colonel Road up to Maesquarre Road. Back of houses in Maesquarre Road. (This was the biggest one- day catch in the month) | 61 |
| Friday, Nov. 13.—Fenton Terrace, Pantyffynnon | 24 |
| Saturday, Nov. 14.—Back of London House and Cloth Hall and Church. Labour Club. Wind Street | 9 |
| Monday, Nov. 16.—Brook behind Council Houses; Tirydail House; Barret's Stables; James Jones, Heol Las ... | 21 |
| Tuesday Nov. 17.—Vicarage, Brook behind Margaret Street, Culvert Walter Road down to Halt; from Halt to Colliery Siding | 26 |

| | |
|--|-----|
| Wednesday, Nov. 18.—Wall of Co-operative; Cross Inn; Pantyffynnon Tin Works; Parcyrhun House | 12 |
| Thursday, Nov. 19.—Back of Griffiths, Contractor's, premises; from River Amman up to Colonel Road; Plough Inn ... | 29 |
| Friday, Nov. 20.—Amman River, from Bettws Bridge up to Colliery; Joe Griffith's premises, Florence Road | 13 |
| Saturday, Nov. 21.—From Bettws Bridge down Amman River to Pantyffynnon; Back of Railway Siding | 18 |
| Monday, Nov. 22.—Heol Las, up to Farmers' Co-op.; Back of Co-op Allotments; English Wesleyan Chapel; Reuben's Shed, Fair Field; Back of Palace Theatre | 15 |
| Tuesday, Nov. 24.—Down Garnswllt Road; by Brook up to Pantybettws Farm; Pantybettws Pigsty; Wernoleu; Top of Hopkinstown down to Square | 26 |
| Wednesday, Nov. 25.—Amman Stores, High Street; Down to Union Street; G.W.R. Goods Shed; Ammanford Station; Railway Cabin at Pantyffynnon Crossing | 14 |
| Thursday, Nov. 26.—Brook from Old Rubbish Tip down to Garnswllt Road; J. Williams, Slaughterhouse; Back of House by Old Chapel in Bettws; Up through Nant-y-Plough ... | 21 |
| Friday, Nov. 27.—Park Terrace, Pantyffynnon; Holwill Stores, Penybank Road; Back of houses by Owens, Baker ... | 15 |
| Total Rats killed ... | 434 |

This total excludes, of course, Rats which have been killed in the holes by Ferrets and Gassing, and also the poisonous baits laid down.

I take this opportunity to thank the Members of the Health Committee and Council Staff for their courtesy and help at all times.

I am, Gentlemen, your obedient Servant,

ARCHIBALD HARPER,

M.O.H.

